

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraphs beginning at page 8, line 9 to page 11, line 18, with the following rewritten paragraphs:

-- Referring to FIG. 1, the positioning and buffering device of an artificial knee joint comprises a knee cap head 10, an interlinking device 20 (arch plates 21), a buffering device 30 (interlinking rod 31), interlinking support 32, hydraulic cylinder 33), a spring device 40 (spring support 42, spring 44), and a knee cap body module 50. The knee cap head is connected upward to the thigh and the lower edge of the knee cap body is used to connect to the shank and the leg bottom portion.

In accordance with the present invention, one side of the knee cap head 10 is extended to form two protruded wings 11 having a recess 33 and a semi arch-shaped recess 14, so that the recess 33 can hold the interlinking rod 31 of the buffering device 30. The sides of the wings 11 are provided with through holes 12, and a through hole 15 is positioned at the rear end of the wing, and the interlinking rod is corresponding to the slope 311 of the ~~urging block~~ interlinking rod 31 provided at the recess of the knee cap head. In the course of urging by the ~~urging block~~ interlinking rod 31 the through holes 312 at the knee cap head having a pad 62 is mounted at the recess of the knee cap head, and the arch-shaped recess has a ~~spring~~ an elastic block 68 for the urging with the sloping face of the interlinking rod. The through hole is provided with ~~ball~~ needle bearing 60 and is pivotally connected with a ~~spindle~~ an axle 61.

Through hole 312 is provided to the block body of the interlinking rod 31 for the connection with the buffering device 30 and the protruded lug 321 at the two lateral sides of the interlinking support 32, and a housing 322 extended from the protruded lug is provided with a hydraulic cylinder 33, and the connection with the piston rod 332 is at the through hole 331. The through hole 323 provided at the side of the

lug is mounted to the needle bearing 60 and the through hole of the interlinking rod and that of the piston rod are in alignment such that the lugs are connected to the interlinking rod and the interlinking support with screw 63.

A block body 324 is mounted to the housing 322 at the interlinking support 32 and is used for urging adjustment. A through hole 325 provided at the lower section of the block body for the spindle axle 61 to pass through is made into a round section 326. The front side of the through hole is another through hole 327 mounted with the needle bearing 60 so that the wing 51 can pass through the through hole 52 and is fastened with screw 64. The through hole 333 at the lower section of the hydraulic cylinder 33 is mounted with a needle bearing 60 and is then inserted with a spindle an axle 61. A screw 64 is used for fastening. The lower section of the wing is provided with a through hole 55 to be in combination with the through hole 15 for the engagement by a spindle an axle 61. The external end of the spindle axle 61 is mounted with a pad 62 and the left and right side of the pad 62 is mounted with the arch plate 21 of the interlinking device 20. The top and bottom end are locked with screw 65. The blocking body 324 is provided with a screw hole 328 for mounting with a shock absorbing block 67 and is locked with screw 66.

The lower end of the knee cap body 50 is provided with a buffering wing 51, an interlinking wing 53 and through hole 327. The needle bearing 60 and spindle axle 61 are connected to the interlinking support 32, the hydraulic cylinder 33 and two arch plates 21, and the lower edge of the block body was a recess with threads for the mounting of a spring device 40 so that the recess 42 of the spring support 41 can be mounted to the round portion 326 and via the protruded pillar 43 at the spring support, a spring 44 is fastened with an adjustable screw 66.

Referring to FIGS. 2 and 3, the recess 14 is provided with the spring elastic block 68 and the piston rod 332 is also mounted to the recess and is fastened by the needle

bearing 60 and the ~~spindle~~ axle 61. The lower section of the interlinking rod is provided with through hole to combine with the through hole of the protruded lug 321 and a needle bearing 60 and fastening screw 63 are used for positioning. The through holes 331 and 325 are mounted with the needle bearing 60 together with a ~~spindle~~ an axle 61 and is fastened by screw 64, and the through hole of the hydraulic cylinder is fastened together with the through hole 54 of the wing 53, and the through hole at the lower portion of the interlinking support is used for connection with the buffering wing 51. The through hole 327 of the knee cap head and the knee cap body after mounted with the needle bearing 60 and the ~~spindle~~ axle 61 are then fastened with two arch shaped plates 21 and then fastened with screw. The lower edge of the body block is formed into recess for connection to the shank and leg bottom. The recess is threaded for mounting to a spring device 40, and the recess 42 of the spring support is in engagement with the round portion 326 of the interlinking support, and the pillar 43 is mounted with a spring 44 and is fastened by an adjusting screw 45. The screw hole 328 is mounted with a shock absorbing block 67 and a screw 66 is used for fastening so as to contact with the flat board at the buffering wing. --